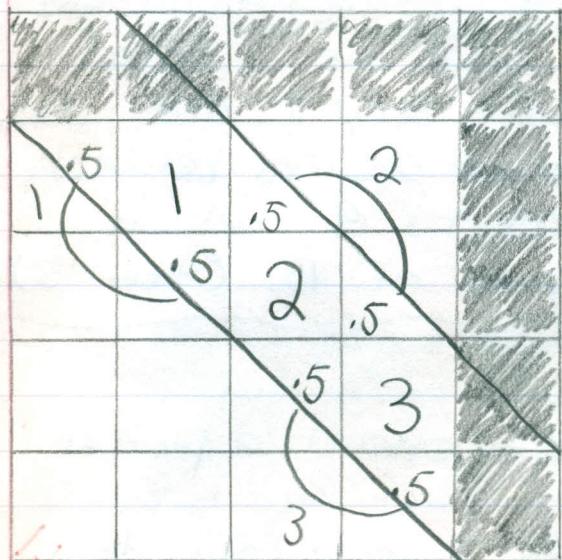


10/10
Great!

POW #4

Casey McMahon
10-26-10
period 6

5



PROBLEM:

A unit square is translated 4 units to the right and then 4 units down and then is returned directly to the starting location. What is the total area swept out by the traveling square? Count the beginning and ending location only once.

PROCESS:

When I saw this problem with no picture, I was like how am I going to do this! I finally started by drawing a big square with 25 little squares inside. Then, I shaded in 5 squares across, and 4 squares down. Next I drew two lines from the starting square to the ending square, so I could find the distance of the squares. Between the two lines, I numbered the full squares, which are 1, 2, and 3. Then, I labeled the half squares .5, which there is 6 half squares. Once I did that, I added the .5's together, which gave me the answer 3. The second to last step I did, was I took the total of the .5's and added that to the whole squares between the two lines, which gave me 6. $3+3=6$.

SOLUTION:

Finding the solution was really simple. I took the squares that are shaded across, and I added that to the squares that are shaded down, which gave me a total of 9. $5+4=9$. The last step I did was, $\times 3$ I took the total number of squares between the lines and added that to 9, which gave me the final answer of 15. $(9+6=15)$

EVALUATION:

Looking at this problem without a picture was difficult. You pretty much had to figure out it by yourself. I could not do $\times 1$ this at all. I got too frustrated, but I finally found out what to do. After I knew what to do, it was really easy. The best part was knowing that I didn't give up and that I finally found the answer.